Claim Amendments

1 (Currently Amended): In a computing device having an operating system module to interface with a RAID device controller that comprises an I/O processor, a method of indicating occurrence of an event to a management application, comprising:

registering the management application with an event application programming interface;

detecting occurrence of an event of the I/O processor with a RAID monitor service operating above the operating system module that interfaces with the RAID device controller; and

notifying the management application program of the event via the event application programming interface,

wherein registering includes storing a hardware identification value that identifies a storage medium associated with the event.

2. (Original): The method of claim 1, further comprising updating the event application programming interface with the RAID monitor service upon occurrence of the event.

3. (Canceled).

4. (Original): The method of claim 1, wherein registering the management application includes identifying the type of event.

5. (Original): The method of claim 1, wherein registering the management application includes providing the event application programming interface with a callback function.

6. (Original): The method of claim 5, wherein the event application programming interface uses the callback function to notify the management application of the occurrence of the event.

7. (Original): The method of claim 1, wherein registering the management application includes creating an interprocess communication between the RAID monitor service and the management application.

8. (Original): The method of claim 1, further comprising the step of unregistering the management application with the event application programming interface upon notification of the event.

9 (Original): The method of claim 1, wherein the event application programming interface returns a callback function upon notification of the event.

10-12 (Canceled).

13 (Currently Amended): The method of clam 14 ~~10~~, wherein storing the data includes storing data identifying the hardware event that the programming interface notifies the application of once the hardware event has occurred.

14 (Currently Amended): ~~The method of claim 10,~~ In a computing device having an operating system module to interface with a device, a method for notifying an application of the occurrence of a hardware event comprising:

registering the application with a programming interface;

detecting occurrence of the hardware event with a monitor service that operates above the operating system module and that is separate from the programming interface; and

upon detecting occurrence of the hardware event, notifying the application of the hardware event via the programming interface,

wherein registering the application includes storing data identifying an input/output processor that monitors the device, and

wherein storing the data includes storing a hardware identification value that identifies a storage medium associated with the event.

15 (Currently Amended): The method of claim 14 ~~10~~, further comprising notifying the programming interface of the occurrence of the hardware event with a RAID monitor service.

16 (Currently Amended): The method of claim 14 ~~10~~, wherein notifying the application includes providing a callback function.

17 (Currently Amended): An article comprising:

a machine readable storage medium having stored thereon instructions capable of being executed by a data processing platform, said instructions being adapted to register a management application with a programming interface so that the programming interface is capable of notifying the management application of an event detected by a RAID monitor service that operates above an operating system module that interfaces with an I/O processor of a RAID device controller,

wherein said instructions being adapted to register the management application are further adapted to store a hardware identification value that identifies a storage medium associated with the event.

18 (Original): The machine readable storage medium of claim 17, wherein said instructions are further adapted to unregister the management application.

19 (Original): The machine readable storage medium of claim 17, wherein said instructions are further adapted to notify the management application of a hardware event.

20 (Original): The machine readable storage medium of claim 19, wherein the hardware event is selected from the group consisting of a disk drive failure, disk drive initialization, array migration, and data recovery.

21 (Original): The machine readable storage medium of claim 17, wherein said instructions are further adapted to register a processor identification value.

22 (Currently Amended): An article comprising:

a processor;

a medium for storing instructions;

a medium for storing data; and

a module to interface with an I/O processor that monitors the medium for storing data;

wherein instructions on the medium for storing instructions define a monitor service adapted to cause the processor to detect via the module the occurrence of an event with the medium for storing data, ~~and~~ to indicate the occurrence of the event to a management application and

wherein instructions on the medium for storing instructions are adapted to register the management application and to store a hardware identification value that identifies a storage medium associated with the event.

23 (Original): The article of claim 22, wherein the management application is selected from the group consisting of a desktop management program, a RAID system management application, and a RAID monitor application.

24 (Previously Presented): The article of claim 22, wherein the device medium for storing data comprises a RAID device and the monitor service comprises a RAID monitor service.

25 (Previously Presented): The article of claim 24, further comprising an intelligent input/output controller to interface with the RAID device, wherein the intelligent input/output controller comprises the I/O processor.

26 (Currently Amended): An apparatus comprising:

a processor;

a RAID controller comprising an I/O processor;

an operating system module to interface with a RAID device via the I/O processor of the RAID controller;

a RAID monitor service to detect events of the RAID device via the operating system module;

an event programming interface; and

a management application to register an event with the event programming interface and to provide the event programming interface with a hardware identification value that identifies a storage medium associated with the event,

wherein the event programming interface is adapted to notify the management application of ~~an~~ the event detected by the RAID monitor service.

27 (Original): The apparatus of claim 26, further comprising a storage medium, wherein the storage medium comprises instructions that cause the processor to register the management application with the event programming interface.

28 (Original): The apparatus of claim 27, wherein the storage medium further comprises instructions that cause the processor to provide the function of the event programming interface.